IGNATENKO, A.Ye.; PETRASHKU, M.G.; CHULTEM, D.

Electron activation of mesic atoms. Zhur. eksp. i teor. fiz. 42 no.2:646-647 F '62. (MIRA 15:2)

1. Ob"yedinennyy institut yadernykh issledovaniy.
(Electrons)(Ionization)(Mesons)

CHULTUROV, Sh.M., kand. sel'skokhoz. nauk; KOLUSHEVA, N.V., kand. sel'skokhoz. nauk

Agains stereotyped practice. Zemledelie 26 no.7:16-19 Jl '64.
(MIRA 18:7)

1. Upravleniye nauki Ministerstva sel'skogo khozyaystva Kazakhskoy SSR.

EXCERPTA MEDICA Sec.11 Vol.10/11 Oto-Rhino-Laryngo Nov57
CHULUPA B.

2136. CHULUPA B., KAREŇ A., POSPÍŠIL P. and ŠEVČÍK M. Odd. pro Prevenci Léčení a Posuzovaní Nem., Povolání KUNZ a Klin. Chor. Ušních, Nosních a Krčních Lek. Fak. MU, Brno. *Komplexní vyšetření pracujících v hluku. Complex examination of workers in a noisy environment ČSL. OTOLARYNG. 1957, 6/2 (65-69) Graphs 1 Tables 2

The authors examined 40 employees working in a noisy environment in a motor testing plant. The noise level varied from 114 to 130 db. at various levels of operation. The shortest work exposure was 4 months, longest 6.5 yr. Average age was 32.7 yr. Hearing was normal in 45% of the group. 25% had serious defects in hearing in the speech frequency range. The degree of damage depended to a lesser extent on the length of exposure, far more on the age of the worker. The degree of sound 'drowning' lasting after the end of the shift was greater in the initial period and did not depend on the degree of damage. Autonomic and psychological changes observed in these workers have been termed 'the noise syndrome'. There were gastrointestinal disorders with diarrhoea after the shift, an increased pulse rate and orthostatic reaction, sleep disturbances, feelings of apathy and taciturn behaviour. These complaints occurred in 45% of the workers. The importance of preventive measures is demonstrated (individual and collective protection against noise) along with initial and periodic examinations of the employees.

S/194/62/000/007/093/160
D271/D308

AUTHOR: Chulyk, I.I.

TITLE: Filtering quantized noise

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, abstract 7zh85 (Zb. robit aspirantiv mekhan.-matem. ta fiz. fak. L'vivs'k. un-t, 1961, no. 1, 38 - 40)

TEXT: The author formulates the problem of filtering quantized noise which constitutes a generalized stationary random process in Helfand's sense. The problem is reduced to the solution of the Wiener-Hopf equation for the unknown generalized transfer function of the filter. Solutions can be found by solving the corresponding Hilbert problem. [Abstracter's note: Complete translation.]

Card 1/1

CHULYUKIN, G.; SOVETOV, K.

Automat store. Sov.torg. 35 no.2:46-48 F '62. (MIRA 15:1)
(Vending machines)

15-57-10-15070D

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10, p 291 (USSR)

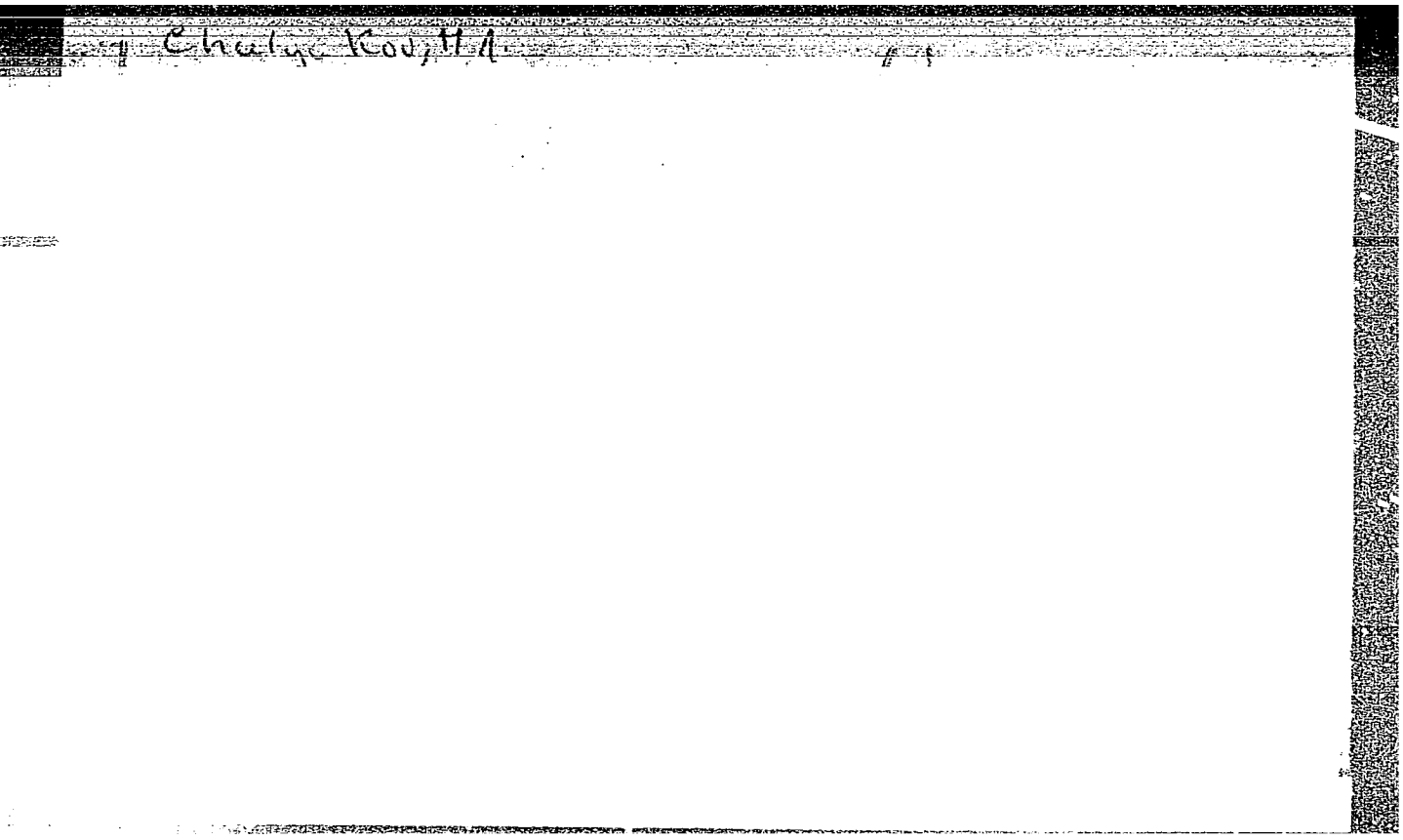
AUTHOR: Chulyukov, M. A.

TITLE: Investigation of Fires in the Peat Briquette Workings and Methods of Combating Such Fires (Issledovaniye pozharov na polyakh dobychi frezernogo torfa i voprosov bor'by s nimi)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Mosk. torf. in-t (Moscow Peat Institute), Moscow, 1957.

ASSOCIATION: Mosk. torf. in-t (Moscow Peat Institute)

Card 1/1



CHULYUKOV, M.A.

SOLOV'YEV, V.; CHULYUKOV, M.

Fire safety measures in winning milled peat. Pozh. delo 4 no.2: 10-11 F '58. (MIRA 11:1)

(Peat) (Fire prevention)

CHULYUKOV, M.A.

ANTONOV, V.Ya., dotsent, kand.tekhn.nauk; BELOVIDOV, I.D., dotsent, kand. tekhn.nauk; BELOKOPYTOV, I.Ye., dotsent, kand.sel'skokhoz.nauk; GORYACHKIN, V.G., prof., doktor.tekhn.nauk; ZYUZIN, V.A., starshiy prepodavatel'; SEMENSKIY, Ye.P., dotsent, kand.tekhn.nauk; CHULYUKOV, M.A., dotsent, kand.tekhn.nauk; VARENTSOV, V.S., dotsent, kand. tekhn.nauk, red.; BORUNOV, N.I., tekhn.red.

[General course in the technology of peat winning] Obshchii kurs tekhnologii torfodobyvaniia. Moskva, Gos.energ.izd-vo, 1959. 339 p. (MIRA 13:2)

1. Chlen-korrespondent AN BSSR (for Goryachkin).
(Peat industry)

SOKOLOV, A.A.; BEL'KEVICH, P.I.; CHULYUKOV, M.A.; NIKONOV, M.N.; OZOLINA, Z.D.; TIMOFEYEV, A.V.

Research and experimental designing and prospects for their further development. Torf. prom. 37 no.5:12-18 '60. (MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut torfyanoy promyshelnnosti (for Sokolov). 2. Institut torfa AN BSSR (for Bel'kevich). 3. Kalininskiy torfyanoy institut (for Chulyukov). 4. TSentral'naya torfo-bolotnaya opytnaya stantsiya (for Nikonov). 5. Vsesoyuznyy institut udobreniy i agropochvovedeniya (for Ozolina).

(Peat industry)

CHULYUKOV, M.A.

"Prevention and extinction of peat fires" by G.S. Belorukov, D.K. Zhemchuzhin. Reviewed by M.A. Chuliukov. Torf.prom. 39 no.4:3 of cover '62. (MIRA 15:7)
(Peat industry—Fires and fire prevention)
(Belorukov, G.S.) (Zhemchuzhin, D.K.)

BELOKOPYTOV, I.Ye.; BERESNOVICH, V.V.; BERSHADSKIY, L.S.; VEYTS, L.F.; ZHUKOV, A.G.; IVASHECHKIN, N.V.; KUZHMAN, G.I.; LASHNEV, I.A.; MURASHOV, F.G.; NIKODIMOV, P.I.; PYATAKOV, L.V.; SAMSONOV, N.N.; SEMENSKIY, Ye.P.; SINITSYN, N.A.; SOLOPOV, S.G.; STRUKOV, B.I.; STEBIKHOV, M.I.; TSUPROV, S.A.; CHERNOV, A.A.; CHULYUKOV, M.A.

Ivan Aleksandrovich Monakin. Torf. prom. 37 no. 3:37 '60.
(MIRA 14:1)
(Monakin, Ivan Aleksandrovich, 1908-1960)

ABKHAZI, V.I.; ANTONOV, V.Ya.; BELOKOPYTOV, I.Ye.; VARENTSOV, V.S.; GORYACHKIN, V.G.; ZYUZIN, V.A.; KHYUKOV, M.N.; KUZHMAN, G.I.; OZEROV, B.N.; RIVKINA, Kh.I.; SEMENSKIY, Ye.P.; SOKOLOV, A.A.; SOLOPOV, S.G.; STRELKOV, S.S.; TYUREMNOV, S.N.; CHULYUKOV, M.A.

Sergei Alekseevich Sidiakin. Torf.prom. 38 no.2:40 '61. (MIRA 14:3)
(Sidiakin, Sergei Alekseevich, 1897-1960)

ABKHAZI, V.I.; ANTONOV, V.Ya.; BLYUMENBERG, V.V.; VARENTSOV, V.S.; VELLER, M.A.; ZYUZIN, V.A.; IVANOV, V.N.; KUZHMAN, G.I.; LUKIN, A.V.; MATVEYEV, A.M.; OZEROV, B.N.; PAL'TSEV, A.G.; PEROV, N.P.; PROKHOROV, N.I.; RAKOVSKIY, V.Ye.; SEMENSKIY, Ye.P.; SOLOPOV, S.G.; TYUREMNOV, S.N.; TSUPROV, S.A.; CHULYUKOV, M.A.

Viktor Georgievich Goriachkin; obituary. Torf.prom. 39 no.4:40 '62. (MIRA 15:7)
(Goriachkin, Viktor Georgievich, 1893-1962)

GHULYUKOV, M.A., kand. tekhn. nauk

Peat Institute in Kalinin. Torf. prom. 39 no.6:21-23 '62.
(MIRA 16:7)

1. Rektor Kalininskogo torfyanogo instituta.
(Kalinin—Peat industry—Study and teaching)

Chulyukova, T. A.

139-1-7/16

AUTHORS: Shatalov, V. P; Kostyukov, N. M; Bashkatov, T. V; Yazikova, Ye. G; Chulyukova, T. A; Popova, Ye. N.

TITLE: The Preparation of 1,3-Butadiene--Styrene Rubber With Oil Fillers. (Part 1). Polucheniye maslonapolnennogo divinil-stirol'nogo kauchuka - soobshcheniye 1).

PERIODICAL: Kauchuk i Rezina, 1958, Nr.1. pp. 24 - 27. (USSR).

ABSTRACT: BHИИSK has evolved a method for the addition of mineral oil to latex during the processing of 1,3-butadiene-styrene rubber with oil fillers by determining the requirements of emulsified oils. In the Voronezh Plant for Synthetic Rubber an oil emulsion was added in a continuous manner to the latex stream. CKC-30A with a surface tension not exceeding 38 din/cm was tested. The latex was cooled to a temperature of 25 - 30°C before the oil emulsion was added which, in turn, was also cooled to a temperature of 30°C. Under these conditions coagulation of the latex and the oil emulsion took place after a few minutes. The 1,3-butadiene-styrene rubber CKC-30A was prepared similarly as CKC-30AM, according to a method evolved by A. Ye. Kalaus, M. A. Robinerzon,

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138-1-7/16

The Preparation of 1,3-Butadiene-Styrene Rubber with Oil Fillers (Part 1).

P. I. Zakharchenko, A. B. Zaytsevaya and M. G. Faynshteyn. The lubricating oil emulsion-18 was added to the latex in an agitator (approximately 150 revolutions/minute). This mixture was coagulated with calcium chloride and acetic acid. Comparative data of physical and mechanical properties of the mixtures CKC-30AM and CKC-30A are given in a Table on page 25. The influence of temperature and surface tension of the latex on the stability of the emulsion was determined. The physico-mechanical properties for CKC-30AM, when using emulsions based on stearic acid and on synthetic fatty acids (from the Shebekinsk Combine) were determined according to ГОСТ (Table 1) Emulsions of oil with ammonia soaps were mixed with latex when cooling to 35-40°C and also at 55-60°C. Rubber containing the lubricating oil emulsion-18 had equally good physical and mechanical properties as rubber prepared with triethanolamine soaps (Table 2). Oil emulsions with ammonia were prepared under identical conditions as with triethanolamine. The soaps were saponified at temperatures of 35-40°C. The oil content of the rubber was 15%, the latex was not cooled before mixing. The surface tension of the

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The Preparation of 1,3 Butadiene-Styrene Rubber With Oil Fillers. (Part 1).

latex varied between 37 - 42 dyn/cm and the properties of CKC-30AM prepared from the $C_{17}$ - $C_{21}$ fractions of fatty acids are given in Table 3. It was found that it was not necessary to cool the latex to a temperature of 45 - 50°C, but the temperature of the latex before mixing could reach 55 - 60°C. The stability of the oil-latex emulsion is not improved by decreasing the temperature. Latex with a surface tension up to 43 dyn/cm can be used for the manufacture of the rubber CKC-30AM. Synthetic fatty acid fractions $C_{17}$-$C_{21}$ can be used for preparing the lubricating oil emulsion-18 together with stearic acid, and ammonia can be used as well as triethanolamine..

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ASSOCIATION: Voronezh Plant SK im S. M. Kirov. (Voronezhskiy zavod SK im S. M. Kirova)

AVAILABLE: Library of Congress.

SOV/138-58-9-2/11

AUTHORS: Shatalov, V. P; Bashkatov, T. V; Kostyukov, N; Popova, Ye.N; Chulyukova, T. A; Krygina, M. K. G.

TITLE: The Preparation of Oil-Filled 1,3-Butadiene-Styrene Rubber SKS-30M (K voprosu polucheniya maslonapolnennogo divinil-stirol'nogo kauchuka SKS-30M)

PERIODICAL: Kauchuk i Rezina, 1958, Nr 9, pp 4 - 7 (USSR)

ABSTRACT: Unsatifactory results were obtained with a batch of rubber SKS-30M produced in the Voronezh Factory for Synthetic Rubber during 1955 - 1956. The authors investigated the possibility of improving the properties of this rubber by using "controlled" latex. When a control agent is added to the rubber SKS-30 only 45% of insoluble substances are found as compared with 87% when no control agent is added. An increased content of insoluble particles in the rubber impairs the technological properties of the rubber mixtures (Table 1). Table 2 gives data on the physico-mechanical characteristics of rubbers containing 15% oil fillers. The elasticity and residual elongation of both rubbers are of the same order. The oil-filled controlled rubber SKS-30M-15 is softer and plasticises quicker. When using

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the lubricating oil Mark 18 a slight lowering of the specific physico-mechanical properties of rubber SKS-30 can be observed, but this lowering is of the same order as for the low-temperature rubber SKS-30A when using an equal amount of filler. A 15 - 20% decrease in strength occurs when 25% of the filler is used (Table 3). The addition of the lubricating oil Mark 18 to the rubber SKS-30 (hardness 2,000 - 2,500 g and 1,000 - 1,500 g) leads to analagous changes, but at a hardness of 2,000 - 2,500 g it suffices to add 15% of the lubricating oil to obtain a rubber of a hardness of about 1,000 g. Improved plasticity can be obtained in the same mixer by adding plasticisation accelerators. Experiments on lowering the hardness to 400 g showed that it was necessary to use 30% of the filler. This quantity, however, lowers the physico-mechanical properties of the rubber. Experiments were carried out in the Voronezh Plant SK in co-operation with VNIISK on the industrial production of a batch of oil-filled 1,3-butadiene-styrene rubber obtained during high-temperature polymerisation (SKS-30M-15) containing 14 - 17% oil. Characteristics of this batch are given

The Preparation of Oil-Filled 1,3-Butadiene-Styrene Rubber SKS-30M

in Table 4. Results showed that this type of rubber can be used for the manufacture of inner tubes and tyres. The composition of the industrial test batch, as well as of the oil emulsion, is given. This rubber was dried at the following temperatures: the first zone 110 - 130°C; the second zone 110 - 124°C; the third zone 104 - 112°C. There are 4 Tables.

ASSOCIATION: Voronezhskiy zavod sinteticheskogo kauchuka im. S. M. Kirova (Voronezh Factory for Synthetic Rubber im. S. M. Kirov)

SHATALOV, V.P.; KOSTYUKOV, N.M.; POPOVA, Ye.N.; CHULYUKOVA, T.A.; NEDOYNOVA, L.A.

SKS-30AM highly plastic oil-extended divinyl-styrene rubber. Kauch. i rez. 18 no.1:4-6 Ja '59. (MIRA 12:1)

1.Voronezhskiy zavod sinteticheskogo kauchuka imeni S.M. Kirova.
(Rubber, Synthetic)

CHUMACHENKO, A.

Friendship with innovators. Prof.-tekh. obr. 20 no.12: 17-18 D '63. (MIRA 17:1)

1. Zamestitel' direktora dankovskogo sel'skogo professional'no-tekhnicheskogo uchilishcha No.9, Lipetskaya obl.

EYDEL'MAN, D., inzh.-korablestroitel'; CHUMACHENKO, A., inzh.-korablestroitel'

Capsizing at the pier. Mor. flot 25 no.11:41-42 N '65.
(MIRA 18:11)

ACCESSION NR: AP4010494 S/0080/64/037/001/231/0232

AUTHORS: Chumachenko, A.P.; Andreyev, P.F.

TITLE: Use of Arsenazo 1 for extracting uranium from dilute solutions.

SOURCE: Zhurnal prikladnoy khimii, v.37, no.1, 1964, 231-232

TOPIC TAGS: Arsenazo 1, uranium extraction, uranium recovery, activated carbon, silica gel, alumina, sorptive capacity, activated carbon with Arsenazo 1, silica gel with Arsenazo 1, alumina with Arsenazo 1, uranium adsorption, adsorption isotherm

ABSTRACT: The sorptive capacity for uranium of adsorbents such as activated charcoal BAU, silica gel KSM, and alumina with Arsenazo 1 is increased 10-50% in comparison to the sorptive capacity of the pure carriers. The presence of Arsenazo 1 improves the extraction so that better adsorption is attained at a wider pH range. Impurities have varying effects on the sorption of uranium. Ammonium, sodium, and strontium nitrates increase extraction very slightly, with $SrNO_3$ decreasing it above pH 4. Aluminum and thorium lower extraction at

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ACCESSION NR: AP4010494

pH 2-3. The effect of ammonium chloride is significant and at pH 3.5-4.5, extraction of uranium in its presence is almost complete, but at higher and lower pH, extraction decreases due to complex formation with uranium. Orig. art. has: 3 figures.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 14Feb 64 ENCL: 00

SUB CODE: CH NRREF SOV: 008 OTHER: 000

Card 2/2

ANDREYEV, P.F.; CHUMACHENKO, A.P.

Adsorption of some heavy metal complex compounds on activated carbon. Zhur.prikl.khim. 34 no.10:2233-2239 O '61. (MIRA 14:11)
(Complex compounds) (Adsorption)

MIRONOV, A.F.; YEVSTIGNEYEVA, R.P.; CHUMACHENKO, A.V.; PREOBRAZHENSKIY, N.A.

Symthetic investigations on the dipyrrylmethane series. Zhur. ob. khim. 34 no. 5:1488-1492 My '64. (MIRA 17:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

IL'YASHENKO, Sergey Mikhaylovich [deceased]; TALANTOV, Aleksey Vasil'yevich; BOLGARSKIY, A.V., doktor tekhn. nauk, retsenzent; BESPALOV, I.V., kand. tekhn. nauk, retsenzent; KLYACHKO, L.A., kand. tekhn.nauk, retsenzent; CHUMACHENKO, B.N., inzh., red.; BONDARYUK, M.M., doktor tekhn. nauk, prof., red.; POPOV, A.V., red.

[Theory and design of direct-flow combustion chambers] Teoriia i raschet priamotochnykh kamer sgoraniia. Moskva, Mashinostroenie, 1964. 305 p. (MIRA 17:12)

CHUMACHENKO, D., glavnyy mekhanik.

Improved design of a face lathe. Mor.i rech.flot 13 no.7:27-28 N '53. (MLRA 6:11)

1. Chistopol'skiy sudoremontnyy zavod. (Lathes)

CHUMACHENKO, D.

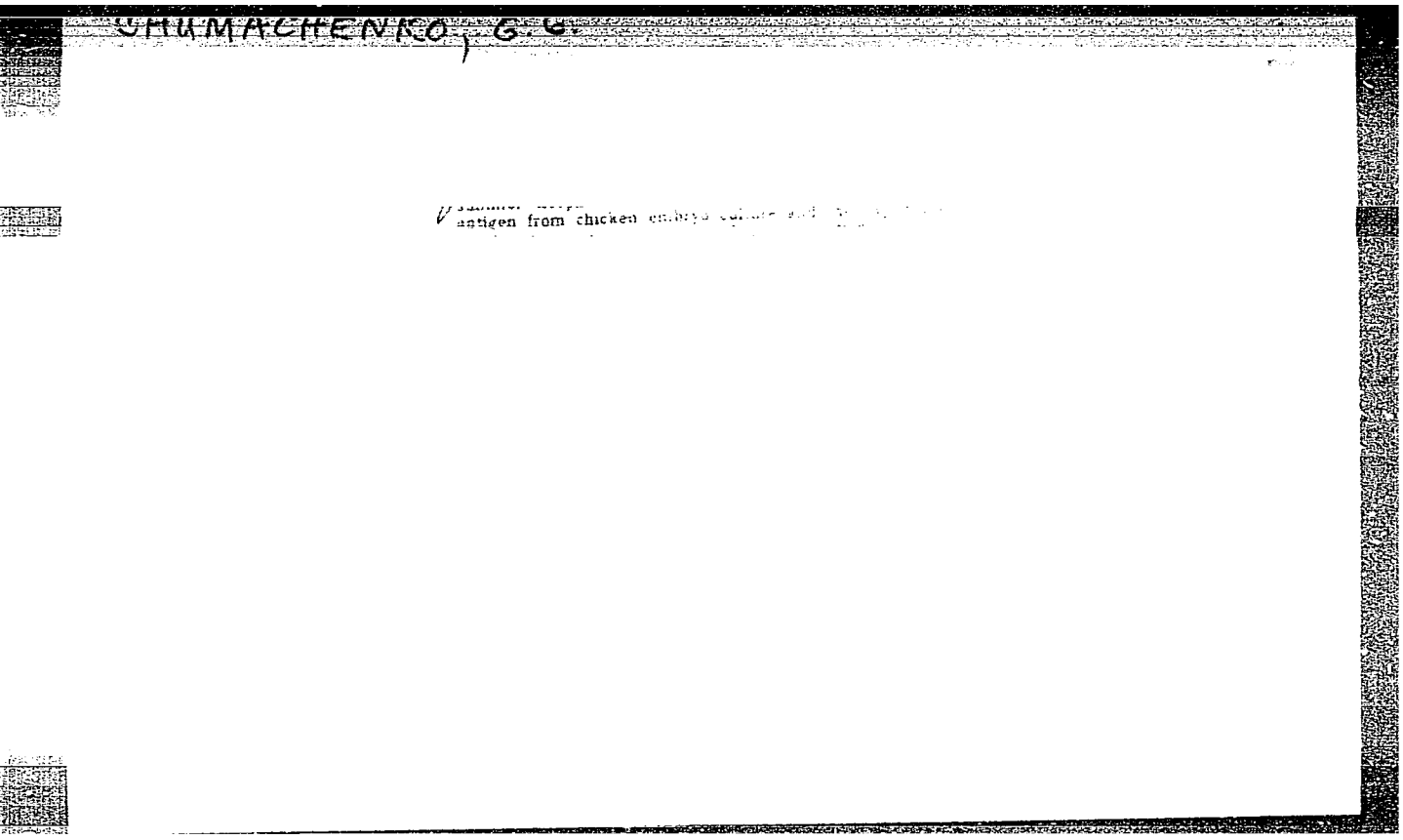
Propane instead of acetylene. Rech. transp. 20 no. 3:46-47 Mr '61.
(MIRA 14:5)

1. Inzhener po novoy tekhnike Chistopol'skogo sudoremontnogo zavoda.
(Propane) (Shipfitting)

KTITOROV, Pavel Mikhaylovich,; ZAYCHENKO, Grigoriy Yevlampiyevich,; KACHURA, Nikolay Ivanovich,; KRYUCHKOV, Aleksandr Stepanovich,; CHUMACHENKO, G., red.; BESP'YATOV, R., tekhn. red.

[Over-all mechanization of mining operations in Chasov Yar open pit mines] Kompleksna mekhanizatsiia hirnychykh robit na Chasiv'iars'kykh kar'erakh. Kyiv, Derzh. vyd-vo tekhn. lit-ry URSR, 1958. 132 p. (MIRA 11:11)

(Chasov Yar--Strip mining)
(Mining machinery)



SARMANOVA, Ye.S.; CHUMACHENKO, G.G.

Etiology of Vilyui encephalomyelitis. Vop. psikh. i nevr. no.5: 15-20 '59. (MIRA 14:5)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR (direktor - prof. P.N.Kosyakov).
(ENCEPHALOMYELITIS)

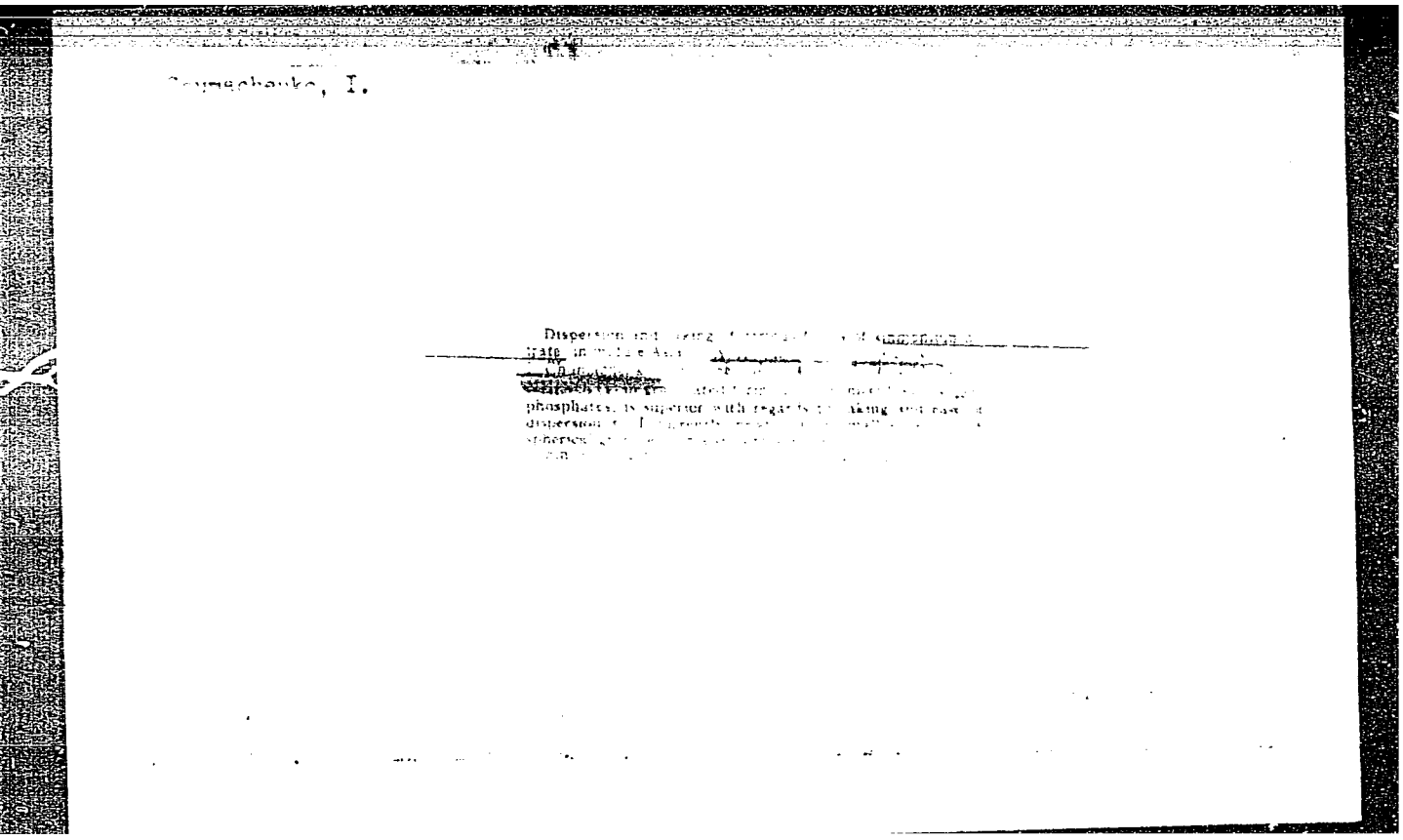
KOVALEV, V.F.; MATYUNIN, A.A.; CHUMACHENKO, G.M.

Repairing the lining of water-cooled pipes of a ring furnace.
Sbor.rats.predl.vnedr.v proizv. no.5:36-37 '60. (MIRA 14:8)

1. Pervoural'skiy Novotrubnyy zavod.
(Furnaces—Maintenance and repair)

CHUMACHENKO, I.

"Replacement of Elements in the Fuel Filter S-80," MTS 12, No.4, 1952



Zaymachenko, I.

[redacted]

phosphates is superior with regards to [redacted]

CHUMACHENKO, I., prepodavatel'; KARPOV, V., prepodavatel'

Mechanizers of combined specialities. Prof.-tekh.obr. 17 no.2:21-22 F '60. (MIRA 13:6)

1. Uchilishche mekhanizatsii sel'skogo khozyaystva No.4, Udmurtskaya ASSR.

(Farm mechanization)

MAKSUMOV, A., kand. sel'skokhozyaystvennykh nauk; MANSUROV, N., kand. sël'skokhozyaystvennykh nauk; DEMIN, Yu., kand. sel'skokhozyaystvennykh nauk; CHUMACHENKO, I., kand. sel'skokhozyaystvennykh nauk; URLAPOVA, Ye.; NURMATOV, A.; ERGASHEV, R.; SAFIULIN, F.

Three crops a year. Zemledelie 25 no.2:27-31 F '63. (MIRA 16:5)

1. Tadzhikskiy nauchno-issledovatel'skiy institut sel'skogo khozyaystva.

(Gissar Valley--Field crops)

CHUMACHENKO, Ivan Ivanovich; POPOV, A.A., redaktor; ALEKSANDROVA, L.A., redaktor; VOLKOVA, tekhnicheskiy redaktor.

[Internal combustion engines for ships] Sudovye dvigateli vnutrennego sgoraniia. Moskva, Izd-vo "Morskoi transport." Pt.1. [Description of the construction of marine engines] Opisanie konstruktsii sudovykh dvigatelei. 1955.319 p. (MLRA 9:4)
(Marine engines)

CHUMACHENKO, Ivan Ivanovich; SKOBELING, L.V., red.; ANDREYEVA, L.S., red.; LAVRENOVA, N.B., tekhn.red.

[Internal combustion marine engines] Sudovye dvigateli vnutrennego sgoraniia. Izd.2., perer. i dop. Moskva, Izd-vo "Morskoi transport," 1960. 675 p. (MIRA 14:3)
(Marine engines) (Gas and oil engines)

CHUMACHENKO, I. N.

Chumachenko, I. N.

"The effect on the cotton harvest of side applications of fertilizer during the growing season." Min Higher Education USSR. Tashkent Agricultural Inst. Tashkent, 1956 (Dissertation for the degree of Candidate in Agricultural Sciences)

Knizhnaya letopis
No. 15, 1956. Moscow

Chumachenko, I. N.

Evaluation of methods of fertilizer addition with the help of isotopes. I. Chumachenko. *Khlopkovodstvo* 6, No. 1, 39–44(1956).—The use of the isotope $P^{32}$ for evaluation of the the effect of various methods of superphosphate addn. to cotton plants (I) is described. The uptake by I of P introduced at the time of sowing depends to a great extent upon the distribution of the fertilizer in the vicinity of the seed.

E. Barabash

CHUMACHENKO, IVAN NIKOLAYEVICH

DUDKO, Andrey Yevstaf'yevich; MEDNIS, Maksimilian Petrovich; CHUMACHENKO, Ivan Nikolayevich; KOTIKOVA, Vera Nikolayevna; BESEDIN, P.N., kand. sel'skokhozyaystvennykh nauk, red.; ZHURAVLEV, B.S., red.; DEMIDOVA, L.F., tekhn.red.

[Cotton cultivation practices and the economic effectiveness of checkrowing] Agrotekhnika i ekonomicheskaia effektivnost' kvadratno- i priamougol'no-gnezdovykh posevov khlopchatnika. Pod red. P.N.Besedina. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1956. 90 p. (MIRA 10:12)

(Cotton growing)

Country : USSR J
Category: Soil Science. Physical and Chemical Properties of Soil.

Abs Jour: RZhBiol., No 18, 1958, No 82098

Author : Korniyenko, V.S.; Chumachenko, I.N.
Inst : -
Title : Simplified Method of Determination of Assimilabile Phosphates in Carbonated Soils of Uzbekstan

Orig Pub: Sots. s.k. Uzbekistana, 1957, No 1, 73-77

Abstract: The method consists of the following. A 2% solution of ammonium carbonate is poured over a batch of air-dried soil, and 2 ml of a molybdic reagent (MoC solution in sulfuric acid) is added to 5 ml of the extract. Standard solutions (with 2.5; 5 and 10 ml of a standard solution with 0.005 mg of $P_2O_5$ in 1 ml) are

Card : 1/3

Country : USSR J
Category: Soil Science. Physical and Chemical Properties of Soil.

Abs Jour: RZhBiol., No 18, 1958, No 82098

as the method of 1% ammonium extracts. The $P_2O_5$ content was determined in several soils of Yangi-Yul'skiy, Ak-Dar'inskiy, and Narimanovskiy Rayons, and the distribution of phosphorus fertilizers among the fields was shown with a consideration of $P_2O_5$ content in the soil. -- P. V. Shramko

Card : 3/3

USSR/Soil Science - Fertilization. Mineral Fertilizers. J

Abs Jour : Ref Zhur Biol., No 1, 1959, 1391

Author : Chumachenko, I.N., Korniyenko, V.S.
Inst :
Title : Effectiveness of Phosphorus Fertilizer in Relation to the Saturation of the Soil with Phosphates.

Orig Pub : Udobreniye i urozhay, 1958, No 2, 25-30

Abstract : Experiments conducted on sierozems of Middle Asia (Uzbekistan SSR) showed that effectiveness of phosphorus fertilizers applied on a background of nitrogens depended on the amount of mobile P in the soil. In a vegetative experiment phosphorus fertilizers increased the harvest of cotton wool in containers with a small amount of available P in the soil (20 mg of $P_2O_5$ per kg of soil) by 15.5 g to a container and decreased it in variants with a high amount of mobile P in the soil (50 mg of $P_2O_5$ per kg of soil) by 8.3 - 9.6 g to a container

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COUNTRY : USSR
CATEGORY : Cultivated Plants. Commercial. Oleiferous. Sugar-Bearing.
ABS. JOUR. : RZhBiol., No. 1, 1959, No. 1732
AUTHOR : Chumachenko, I.
INST. :
TITLE : Introduction of Fertilizers Simultaneously with the Sowing of Cotton.
ORIG. PUB. : Khlopkovodstvo, 1958, No.2, 36-39
ABSTRACT : The advantages for the introduction of phosphorus fertilizers under cotton plants simultaneously with the sowing of seeds in comparison with their introduction under plowing are explained. Studies with the application of labelled atoms have confirmed that P introduced under plowing begins to enter the plant on the 33-36th day after the appearance of sprouts, while P introduced during sowing begins to enter the plant on the 5-16th day after the appearance of sprouts. Data is presented on the high effectiveness of $N_{11}$ when it is introduced prior
CARD: 1/2

COUNTRY :
CATEGORY :

ABS. JOUR. : MzhBiol., No. 1, 1959, No. 1732

ABSTRACT : to sowing time of the cotton; when $N_{60}$ is introduced under
: the main plowing, it does not cause an active nitrification
: process either in the winter nor early-spring periods.

-- B.L. Klyachko-Gurvich

CARD: 2/2



APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000509110020-3"

CHUMACHENKO, I.N.

Amount of available phosphates in carbonaceous soils of Central Asia and effectiveness of phosphorus fertilizers in irrigated cotton growing regions. Pochvovedenie no.5:42-47 My '59.
(MIRA 12:8)

1. Laboratoriya agrokhimii i pochvovedeniya Tadzhikskogo nauchno-issledovatel'skogo instituta zemledeliya.
(Soviet Central Asia--Soils) (Phosphates)

CHUMACHENKO, I.N.; RAKHMATDZHANOV, U.; SUSHENITSA, B.A.; KUZNETSOVA, N.Ye.; PONOMAREV, V.G.; FOKEYEV, N.I.; ERGASHEV, R.; PROTIKOVSKAYA, S., red.

[Recent developments in the use of mineral fertilizers] Novoe v primenenii mineral'nykh udobrenii. Dushanbe, Izd-vo "Irfon," 1964. 61 p. (MIRA 18:4)

CHUMACHENKO, I.N., kand. sel'skokhoz. nauk

Differentiated use of phosphorus fertilizers based on soil analysis. Zhur.VKHO 10 no.4:433-440 '65.
(MIRA 18:11)

CHUMACHENKO, I., CHERNYSHENKO, I.

Combines (Agricultural Machinery)

High-production use of the self-propelled combine. MTS 12 no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1952, Uncl.

CHUMACHENKO, I. Ya.

BOCHKAREV, B.I.; CHUMACHENKO, I.Ya.

Six-row corn picker. Sel'khozmashina no.10:16-19 O '57. (MIRA 10:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sovkhozov.
(Corn picker (Machine))

CHUMACHENKO, I.Ya., inzh.

Performance characteristics of the feed mechanism of KKKh-3 corn combines. Trakt.i sel'khozmash. 31 no.8:24-26 Ag '61.
(MIRA 14:7)

1. Vserossiyskiy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Corn picker (Machine)) (Feed mechanisms)

CHUMACHENKO, N.A.

MALENKOV, G.M.; PERVUKHIN, M.G.; KUCHERENKO, V.A.; ZHIMERIN, D.G.; LOGINOV, F.G.; PAVLENKO, A.S.; YERMAKOV, V.S.; VINTER, A.V.; DMITRIYEV, I.I.; UGORETS, I.I.; BEKHTIN, N.V.; VOZNESENSKIY, A.N.; VASILENKO, P.I.; BOROVOY, A.A.; NOSOV, R.P.; KRISTOV, V.S.; BELYAKOV, A.A.; RUSSO, G.A.; VASIL'YEV, A.F.; REPKIN, V.P.; TERMAN, I.A; ORLOV, G.M.; CHUMACHENKO, N.A.; BESCHINSKIY, A.A.; YAROSH, V.F.

Pavel Pavlovich Laupman; obituary. Gidr. stroi. 26 no.5:62 My '57. (Laupman, Pavel Pavlovich, 1887-1957) (MLRA 10:6)

CHUMACHENKO, I.Ya., inzh.

Unit consisting of a corn harvesting combine and a self-propelled grain combine. Mekh.sil'.hosp. 13 no.12:19-20 D '62.
(MIRA 16:2)
(Corn (Maize)—Harvesting) (Combines (Agricultural machonery))

CHUMACHENKO, L.R., inzh.; KOPYLOV, V.T., inzh.; VIASOV, P.V., inzh.

Manufacturing parts from pressed wood. Khim. i neft. mashinostr. no.4:41-42 O '64. (MIRA 17:12)

CHUMACHENKO, L.R.; KOPYLOV, V.T.; VLASOV, P.V.

Use of glass pipes in the Rubezhnoye Chemical Plant. Khim. prom. no.4:71-74 O-D '64. (MIRA 18:3)

CHUMACHENKO, L.R., inzh.; PONOMARENKO, V.Ye., inzh.; VLASOV, P.V., inzh.

Unit for lead coating straight pipes. Khim. i neft. mashinostr. no.1:36-37 Ja '65. (MIRA 18:3)

CHUMACHENKO, M. N.

Dissertation: "Individual and Simultaneous Identification of Elements by Decomposition of Organic Compounds Through Heating with Metallic Potassium." Cand Chem Sci, Institute of Organic Chemistry imeni N. D. Zelinskiy, Acad Sci USSR, 24 Jun 54. (Vechernyaya Moskva, Moscow, 15 Jun 54)

SO: SUM 318, 23 Dec 1954

USSR/Chemistry - Analytical chemistry

Card 1/1 Pub. 22 - 27/56

Authors : Korshun, M. O., and Chumachenko, M. N.

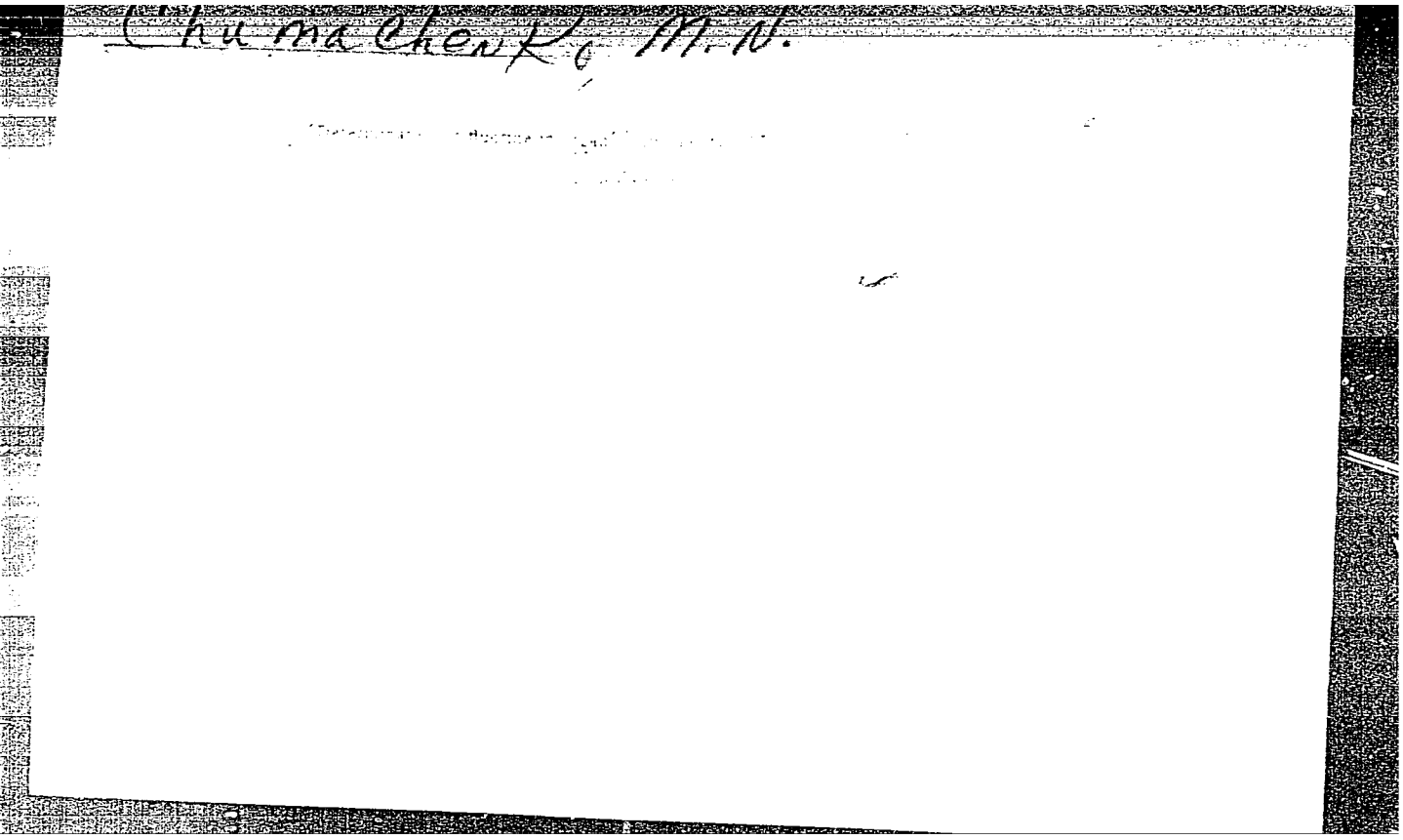
Title : Rapid methods of microelementary analysis.

Periodical : Dok. AN SSSR 99/5, 769-771, Dec 11, 1954

Abstract : Methods are introduced for the simultaneous determination of several elements during decomposition of organic substances by heating the latter with metallic potassium. Some results, obtained by means of the simultaneous determination methods, are tabulated. Metallic potassium was found to be a highly active and reliable decomposing agent; at a temperature of 80 - 85° it completely decomposes poly-elementary organic compounds within a period of several minutes. In addition to the unusually intensive decomposing effect of K the decomposition described also has another advantage, i.e., the fusion cake obtained in the reactor after being dissolved and brought up to a certain volume can be subjected to analysis in the form of aliquot samples. Eight references: 4-USSR; 3-German and 1-English (1933-1953). Tables; drawing.

Institution : Academy of Sciences USSR, Institute of Elementary-Organic Compounds

Presented by: Academician A. N. Nesmeyanov, May 22, 1954



Chumachenko, M.N.

USSR/ Analytical Chemistry - Analysis of Organic Substances G-3

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12131

Author : Korshun M.O., Klimova V.A., Chumachenko M.N.
Title : Determination of Fluorine in Organic Compounds. (11).

Orig Pub : Zh. analit. khimii, 1955, 10, No 6, 358-363

Abstract : Description of a semi-micro method for determination of F in organic compounds, which is based on heating the substance with metallic K in a steel micro-bomb at 800-850° and titrating the thus obtained $F^-$ with a solution of $Th(NO_3)_4$. Presence of N, S, and halogens does not interfere with the titration. Shown is the possibility of simultaneous determination of F and Cl, and the procedure is described for the determination of F in the presence of P. Communication 10, see RZhKhim, 1957, 4823.

Card 1/1

(Inst. Heteroorg. Cmpds., Moscow)

5(2,3)

AUTHORS: Gel'man, N. E., Korshun, M. O., Chumachenko, M. N., Larina, N. I.

SOV/20-123-3-24/54

TITLE: Analysis of Organofluoric Compounds (Analiz ftororganicheskikh soyedineniy )Simultaneous Micro-Determination of Fluorine and Nitrogen in Organic Compounds (Odnovremennoye mikroopredeleniye ftora i azota v organicheskikh soyedineniyakh)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 3, pp 468-470 (USSR)

ABSTRACT: In previous papers by the authors (Refs 1, 2) it was found that magnesium oxide in the elementary analysis of organofluoric compounds is a reliable reagent for a quantitative linkage of fluorine which is separated out in decomposition of organic substances. Moreover, they proved that in fluorine, absorbed by MgO, can be quantitatively isolated from the absorbing layer as HF by the hydrolytic decomposition of magnesium fluorine by vapor at a high temperature (Ref 3). This so-called pyrohydrolysis proceeds as follows: $MeF + H_2O \longrightarrow MeO + HF$. On account of this result, an experiment was carried out with the process mentioned in the subtitle. For this purpose the

modification of nitrogen-determination by Dumas (Dyuma) was used, which had been worked out by the second and the third authors. In this process the measured amount was burned by means of pyrolysis in a layer of nickel oxide. Nickel oxide did not disturb the pyrohydrolytic determination of fluorine (Ref 5). Table 1 shows the results of the determination of fluorine by combustion at 900° - 950° in a $CO_2$ atmosphere in an electric furnace (length: 6 cm). 3-8 mg of the substance were used, which were covered by a layer of granulated nickel oxide in a quartz tube. For the pyrohydrolysis a tube was used that had been suggested by N. E. Gel'man and K. I. Glazova. The pyrohydrolysis takes 20-25 minutes. Accuracy of the determination: nitrogen 0.2%, fluorine up to 0.5% absolute. The results are shown in table 2. The authors were the first to carry through this determination. There are 2 tables and 6 references, 5 of which are Soviet.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute of Elemento-Organic Compounds of the Academy of Sciences, USSR)

FEDOROVSKAYA, N.P.; KHASKINA, I.M.; CHUMACHENKO, M.N.

Simultaneous determination of halides and mercury in halogenated and mercurated solid fuels. Trudy IGI 8:213-220 '59.
(MIRA 13:1)

(Coal--Analysis)

CHUMACHENKO, M.N.; MIROSHINA, V.P.

Microdetermination of halogens and sulfur by catalytic destructive hydrogenation. Zav.lab 26 no.10:1084-1087 '60. (MIRA 13:10)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley.

(Halogens) (Sulfur--Analysis)

CHUMACHENKO, M.N.; KORSHUN, M.O. [deceased]; BURLAKA, V.P.; SIMONOVA, V.N.

New method for the simultaneous determination of silicon and halides in silicon organic compounds. Dokl.AN SSSR 133 no.1:138-140 Jl '60. (MIRA 13:7)

1. Institut khimii pripodnykh soyedineniy Akademii nauk SSSR. Predstavleno akademikom M.M.Shemyakinym.
(Silicon—Analysis) (Halides) (Silicon organic compounds)

CHUMACHENKO, M.N.; TVERDYUKOVA, L.B.

Microdetermination of active hydrogen by gas chromatography. Dokl. AN SSSR 142 no.3:612-614 Ja '62. (MIRA 15:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR. Predstavleno akademikom M.M.Shemyakinym.
(Hydrogen--Analysis) (Gas chromatography)

CHUMACHENKO, M.N.; BURLAKA, V.P.

Decomposition of organic substances by metallic potassium. Report No.2: New method of determining phosphorus. Izv.AN SSSR Otd.khim.-nauk no.4:560-565 Ap '62. (MIRA 15:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Phosphorus--Analysis) (Potassium)

CHUMACHENKO, M.N.; BURLAKA, V.P.

Decomposition of organic substances by metallic potassium. Report No.2: Determination of sulfur. Izv. AN SSSR. Otd.khim. nauk no.5:755-759 My '62. (MIRA 15:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Sulfur organic compounds) (Sulfur--Analysis) (Potassium)

CHUMACHENKO, M. N.; BURLAKA, V. P.

Decomposition of organic substances by metallic potassium. Report No. 4: New method for the simultaneous determination of silicon and phosphorus. Izv. AN SSSR. Otd. khim. nauk no.1:5-7 '63. (MIRA 16:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

(Silicon—Analysis) (Phosphorus—Analysis)
(Potassium)

FEDCHOVSKAYA, N.P.; KHASKINA, I.M.; CHUMACHENKO, M.N.

Micromethod for the determination of iodine content.
Trudy IGI 21:197-201 '63. (MIRA 16:11)

CHUMACHENKO, M.N.

Gasometric determination of nitrogen in organic substances. Report No.1: Microdetermination of nitrogen in poorly combustible compounds by the Duma-Pregle method. Izv. AN SSSR. Ser. khim. no.11:1893-1898 N '63. (MIRA 17:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

CHUMACHENKO, M.N.; PAKHOMOVA, I.Ye.

Gasometric determination of nitrogen in organic substances.
Part 2: Formation of nitric oxide during pyrolytic combustion.
Izv. AN SSSR. Ser. khim. no.12:2090-2094 D '63.
(MIRA 17:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

L 16155-65 Pa-4
ACCESSION NR: AP4045792 S/0062/64/000/009/1561/1564

AUTHOR: Chumachenko, M. N.; Pakhomova, I. Ye. B

TITLE: Gasometric determination of nitrogen in organic materials

SOURCE: AN SSSR. Izv. Seriya khimicheskaya, no. 9, 1964, 1561-1564

TOPIC TAGS: nitrogen, analysis, gasometric analysis, solid nitrogen containing organic material, organic material containing nitrogen, nonvolatile liquid, volatile liquid, pyrolysis

ABSTRACT: A new rapid method for determining nitrogen in a variety of organic materials was worked out. The determination takes 25-30 minutes and is accurate within ±0.1-0.2%. A quartz combustion tube (350-400 mm long, 8-9 mm i.d.) was connected to a $CO_2$ cylinder and to the stopcock of the azotometer, and packed with a 7-8 cm layer of CuO which had been heated at 850C. 3-5 mg of solid or nonvolatile liquid was placed in the quartz boat (or volatile liquid was placed in a quartz capillary with the open end in the quartz boat) and covered with granulat-

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L 16155-65
ACCESSION NR: AP4045792

0

ed NiO. The boat was placed in the middle of the tube, the system was swept for 3-5 minutes with $CO_2$ (25-30 ml/min). $CO_2$ flow was shut down to obtain micro-bubbles, the oxidizing zone was heated to 800 C with an electric burner, and a second burner was used, not too near the boat to avoid foaming, to pyrolyse the sample (900-950C). Pressure variation in the azotometer was kept at a minimum by changing the position of the burner. The boat was finally heated to assure complete pyrolysis of the sample. Burners were removed the system was swept with enough $CO_2$ to form bubbles but not a continuous gas stream through the azotometer. Azotometer was subsequently disconnected and nitrogen volume was measured after 15 minutes. Nitrogen content in the sample: $N = \frac{f \cdot V_i \cdot 100\%}{a}$

f= weight of 1 ml of nitrogen at given pressure and temperature, $V_i$ = volume of nitrogen and a= weight of sample. Orig. art. has: 1 figure and 2 equations.

ASSOCIATION: Institut khimii prirodny*kh soyedineniy Akademii nauk SSSR (Institute of the Chemistry of Natural Compounds Academy of Sciences SSSR)

SUBMITTED: 09Jan63 ENCL: 00
SUB CODE: OC, GC NO REF SOV: 017 OTHER: 000

Card 2/2

CHUMACHENKO, M.N.; MUKHAMEDSHINA, R.A.

Determination of nitrogen in the decomposition of organic compounds by metallic potassium. Izv. AN SSSR. Ser. khim. no.7:1262-1264 '65. (MIRA 18:7)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

PAKHOMOVA, I.Ye.; CHUMACHENKO, M.N.

Use of gas chromatography in organic elementary analysis. Report No.1: Determination of nitrogen. 1138-1142 '65. (MIRA 18:7)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

CHUMACHENKO, N.

Mistery of "kohau rongorongo". Znan.sila no.1:10-15 Ja'55.
(Easter Island) (MIRA 8:3)

CHUMACHENKO, N.

The needs of the carpet industry. Prom.koop. 13 no.2:29 F '59.
(MIRA 12:4)
(Rug and carpet industry)

CHUMACHENKO, N.A.

MALENKOV, G.M.; PERVUKHIN, M.G.; KUCHERENKO, V.A.; ZHIMERIN, D.G.; LOGINOV, F.G.; PAVLENKO, A.S.; YERMAKOV, V.S.; VINTER, A.V.; DMITRIYEV, I.I.; UGORETS, I.I.; BEKHTIN, N.V.; VOZNESENSKIY, A.N.; VASILENKO, P.I.; BOROVOY, A.A.; NOSOV, R.P.; KRISTOV, V.S.; BELYAKOV, A.A.; RUSSO, G.A.; VASIL'YEV, A.F.; REPKIN, V.P.; TERMAN, I.A; ORLOV, G.M.; CHUMACHENKO, N.A.; BESCHINSKIY, A.A.; YAROSH, V.F.

Pavel Pavlovich Laupman; obituary. Gidr. stroi. 26 no.5:62 My '57. (Laupman, Pavel Pavlovich, 1887-1957) (MIRA 10:6)

CHUMACHENKO, Nikolay Grigor'yevich; KOPNYAYEV, V.P., red.; TELEGINA, T., tekhn.red.

[Analysis of the profit of an industrial enterprise] Analiz pribyli promyshlennogo predpriiatiia. Moskva, Gosfinizdat, 1960. 106 p. (MIRA 14:3)

(Profit)

CHUMACHENKO, Nikolay Grigor'yevich; KOROTKOVA, L., red.; TELEGINA, T., tekhn. red.

[Accounting for the output and sale of finished products] Uchet vypuska i realizatsii gotovoi produktsii. Moskva, Gosfinizdat, 1962. 89 p. (MIRA 15:6)

(Accounting)

L 04669-65
ACCESSION NR: AR5015898

UR/0299/65/000/009/M020/M020
577.99

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 9M109

16
B

AUTHOR: Chumachenko, N. L.

TITLE: Changes in the wall of a vascular autotransplant and its innervation in the growing organism

CITED SOURCE: Vest. khirurgii, v. 93, no. 12, 1964, 59-65

TOPIC TAGS: tissue transplant, animal physiology, innervation

TRANSLATION: In 32 tests on 2-5 month old puppies, a 1.5-4 cm long piece of the exterior jugular vein was sewn into an opening of the abdominal aorta. Histomorphological studies were conducted from 1 day to 15 months. Special sleeves of 1.6-4.1 mm diameter were superimposed on the vascular anastomosis. The number of thrombi decreased with increasing diameter of the vessel. The autotransplants (AT) functioned satisfactorily and were capable of increasing their

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L 64669-65
ACCESSION NR: AR5015898

length and diameter. Within 6 months AT of 3.3 mm diameter and a length of 1.7 cm increased their length by 0.8 cm and their diameter by 1.6 mm. The AT structure changed to the artery type; innervation and vascularization were reestablished. N. S.

SUB CODE: LS ENCL: 00

Card 2/2

L 39393-65 EWG(a)-2/EWG(c)/EWG(j)/EWG(r)/EWG(v)/EWT(1) [illegible] Pe-[illegible] DD

ACCESSION NR: AR5006801 S/[illegible] 1/M021

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 1M121

B

AUTHOR: Chumachenko, N. L.

TITLE: Autoplasty of small diameter blood vessels in a growing organism

CITED SOURCE: Sb. Materialy 26 i 27 itog. nauchn. sessiy Dnepropetr. med. in-ta za 1962 i 1963 g. Ch. 1. Dnepropetrovsk, 1964, 140-141

TOPIC TAGS: dog, autoplasty, artery, defect, transplantation, anastomosis, thrombus

2

TRANSLATION: Autoplasty (104 experiments) of the carotid, external jugular vein, and aorta was performed on puppies. Transplants ranged from 1.5 to 5 cm in length and 1.6 to 4.1 mm in diameter and the observation period was 1-15 mos. No hemorrhages, aneurisms, or ruptures of transplants were found. The author attributes thrombus development to faulty techniques of forming vascular anastomoses. A

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L 39393-65

ACCESSION NR: AR5006801

conclusion is drawn that a venous autotransplant is the most suitable material for plastic surgery of a small diameter artery defect. N. S.

SUB CODE: LS ENCL: 00

Card 2/2 nb

SANIN, B.P.; CHUMACHENKO, N.M.

Effect of joint tectonics on the localization of ore bodies and its role in the formation of the Savinskoye No.5 deposit. Izv.vys.ucheb.zav.; geol.i razv. 8 no.11:64-73 N '65. (MIRA 18:12)

1. Nerchinskoye rudoupravleniye i Institut geokhimii g. Irkutsk.

CHUMACHENKO, N. V.

"Dynamics of Immunological Indexes in a Case of Abdominal Typhus." Thesis for degree of Cand. Medical Sci. Sub 2 Mar. 50, Acad Med Sci USSR

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950.

CHUMACHENKO, N.V.; KATS-CHERNOKHVOSTOVA, L.Ya., professor, zaveduyushchiy; TIMAKOV, V.D., professor, direktor.

Dynamics of immunological indexes in typhoid fever. Zhur.mikrobiol.epid.i immun. no.9:27-30 S '53. (MLRA 6:11)

1. Otdeleniye obshchey epidemiologii Instituta epidemiologii i mikrobiologii im. pochetnogo akademika N.F.Gamalei Akademii meditsinskikh nauk SSSR (for Kats-Chernokhvostova). 2. Institut epidemiologii i mikrobiologii imeni pochetnogo akademika N.F.Gamalei Akademii meditsinskikh nauk SSSR (for Timakov). (Typhoid fever)

CHUMACHENKO, N. V.

EXCERPTA MEDICA Sec.4 Vol.11/4 Mod.Microb. etc. April58

1018. INFLUENCE OF ANTIBIOTICS ON THE CONCENTRATION OF CIRCULATING ANTIBODIES IN THE BLOOD (Russian text) - Planeles H. H. and Chumachenko N. V. Inst. of Pharmacol., Exp. Chemotherapy and Chemoprophylaxis, USSR Acad. of Med. Sci., Moscow - ANTIBIOT. 1956, 1 (25-28) Illus. 3

Previous work of Professor H. H. Planeles had shown that penicillin treatment of experimental pneumococcal infection suppresses the development of immunologic reactions due to the decrease of the antigenic causative microorganism. In the present work is studied the influence of antibiotics on the development of immunity with unchanged amounts of introduced antigen. The immunization of rabbits was effected with a killed typhoid vaccine injected in 3 doses 7 days apart; antibiotics were administered daily from the day before immunization until one week after the 3rd injection of the vaccine. It was found that streptomycin, penicillin, and sintomycin (Soviet chloramphenicol) influence negatively the immunologic functions of the organism. The authors, therefore, regard it as necessary to work out a new method of immuno-chemotherapy.

Svinkina - Moscow (S)

Chumachenko, N.V.

ANTIBIOTICS

"Inhibition of Immunogenesis Under the Influence of Certain Antibiotics" by N.V. Chumachenko, Division of Chemotherapy (Head - Corresponding Member of the Academy of Medical Sciences of the USSR Prof. Kh. Planel'-yes) Institute of Pharmacology and Chemotherapy of the Academy of Medical Sciences of the USSR, Antibiotiki, No 3, May-June 1957, pp 17-21.

The author studied the influence of penicillin, streptomycin, synthomycin (levomycetin and dextromycetin*) on immunogenesis in rabbits vaccinated with an antityphoid vaccine produced by the Institute of Epidemiology and Microbiology of the Academy of Medical Sciences USSR imeni N.F. Gamaleya.

In the experimentation, 50 rabbits were used. Observation lasted 35 days.

The author concludes that sharp decrease of titers in the process of vaccination as well as the inhibition of the production of agglutinines, brought to light by means of anammestic reaction, points to

Chumachenko N.V.

CHUMACHENKO, N.V.

Effect of some antibiotics on active immunity in white mice [with summary in English]. Biul.eksp.biol. i med. 44 no.9:86-89 S '57. (MIRA 10:12)

1. Iz otdela khimioterapii (zav. - chlen-korrespondent AMN SSSR prof. Kh.Kh.Planel'yes) Instituta farmakologii i khimioterapii (dir. - deystvitel'nyy chlen AMN SSSR V.V.Zakusov) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.D.Timakovym.

(TYPHOID FEVER, immunology,
vacc., eff. of antibiotics on immun. responses in white mice (Rus))
(ANTIBIOTICS, effects,
on typhoid vacc. immun. responses in white mice (Rus))

CHUMACHENKO, N. V.

"Effect of antibiotics on certain immunological indices."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

CHUMACHENKO, N.V.

Effect of tetracycline on plasmacytic reactions in immunized white mice. Antibiotiki 4 no.5:70-72 S-O '59. (MIRA 13:2)

1. Otdel eksperimental'noy khimioterapii (zav. - prof. A.M. Chernykh) Instituta farmakologii i khimioterapii AMN SSSR.
(TETRACYCLINE pharmacol.)
(STAPHYLOCOCCUS immunol.)
(TOXINS AND ANTITOXINS pharmacol.)

CHUMACHENKO, N.V.

Survival in white mice of staphylococci sensitive and resistant to penicillin. Zhur.mikrobiol.epid. i immun. 30 no.5:140-141 My '59. (MIRA 12:9)

1. Iz Instituta farmakologii i khimioterapii.
(STAPHYLOCOCCUS) (PENICILLIN)

KIVMAN, G.Ya.; CHUMACHENKO, N.V.; SMOL'NIKOVA, N.M.; MITROFANOV, V.S.; KUKHADZE, E.Z.

Hypersensitivity of rabbits to tetracyclines. Biul.eksp.biol. i med. 48 no.10:52-56 O '59. (MIRA 13:2)

1. Iz otdela khimioterapii (zav. - doktor med.nauk A.M. Chernukh) Instituta farmakologii i khimioterapii (dir. - deystvitel'nyy chlen AMN SSSR V.V. Zakusov) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Zakusovym.
(TETRACYCLINE pharmacol.)

CHUMACHENKO, N.V.

Problem of the mechanism of action of penicillin and tetracycline on immunological reactions. Antibiotiki 5 no.4:53-55 Jl-Ag '60. (MIRA 13:9)

1. Otdel eksperimental'noy khimioterapii (zav. - prof. A.M. Chernukh) Instituta farmakologii i khimioterapii.
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